SIEMENS

Product data sheet 5SY7120-7



CIRCUIT BREAKER 230/400V 15KA, 1-POLE, C, 20A, D=70MM

Similar to image

Technical data:				
product brand name		SENTRON		
Product designation		5SY miniature circuit breaker		
Mounting type		Quick assembly system		
Type of voltage		AC/DC		
Height	mm	90		
Width	mm	18		
Depth	mm	76		
Net weight	g	161		
mounting position		any		
Mounting depth	mm	70		
Current / for AC / rated value	Α	20		
Tripping characteristic class		С		
Supply voltage				
• for AC / rated value	V	400		
Supply voltage / for DC / rated value				
• with single-phase operation / with AC / rated value	V	230		
• with multi-phase operation / with AC / rated value	V	400		
Number of poles /note		1P		

Switching capacity current		
• in accordance with IEC 60947-2 / rated value	kA	25
• with DC / in accordance with IEC 60947-2 / rated value	kA	15
• acc. to EN 60898 / rated value	kA	15
Breaking capacity short-circuit current (Icn)		
• with DC / in accordance with EN 60898-2	kA	15
• with AC / in accordance with UL 1077 and CSA C22.2 No.235	kA	5
Active power loss / at rated value current / with AC / in warm operating state / per pole	W	5.4
Number of width units		1
Product extension / can be installed / supplementary device		Yes
Product feature / sealable		Yes
Degree of pollution		3
Influence of the surrounding temperature		max. 95% humidity
Ambient temperature	°C	-25 +55
Ambient temperature		
during storage	°C	-40 +7 5
Position / of power supply cord		Any
Product property / properties for main switches in accordance with EN 60204-1		Yes
Mechanical operating cycles as operating time / typical		20,000
Resistance against vibration / according to IEC 60068-2-6		50m/s² at 25 to 150Hz and 60m/s² at 35Hz (4sec)
Overvoltage class		3
Product equipment / touch-protection		Yes
Resistance against shock / according to IEC 60068-2-27		150m/s² at 11ms half-sine
Insulation voltage		
• with single-phase operation / with AC / rated value	V	250
with multi-phase operation / with AC / rated value	V	440
AWG number		
as encoded connectable conductor cross-section		14 4
Section de conducteur raccordable		
• solid	mm²	0.75 35
• multibrin	mm²	0.75 35
• finely stranded		
with wire end processing	mm²	0.75 25
Product component		
combined terminal top		Yes
combined terminal bottom		Yes
Tightening torque		
with screw-type terminals	N-m	2.5 3

Tightening torque (lbf-in)		
• with screw connection	lbf∙in	22 26
Product feature		
• silicon-free		Yes
• halogen-free		Yes
Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6
Reference ID / according to DIN EN 61346-2		F

Certificates/approvals:

General Product Approval

Declaration of Conformity













Shipping Approval











other other

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

 $\underline{\text{https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SY7120-7}}$

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

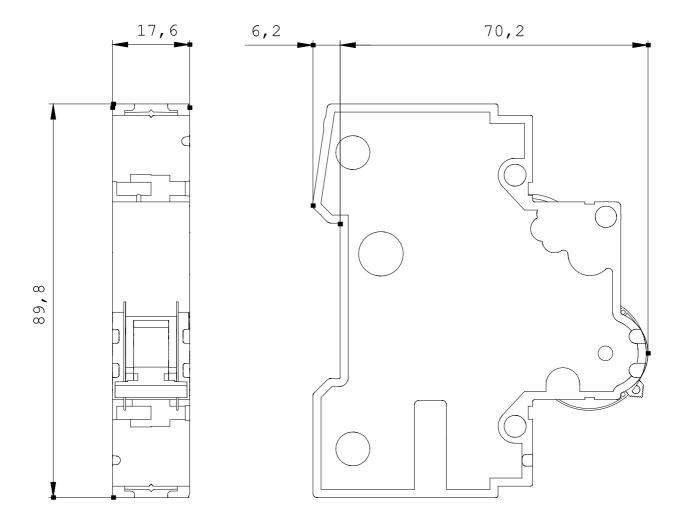
http://support.automation.siemens.com/WW/view/en/5SY7120-7/all

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7120-7

CAx-Online-Generator

http://www.siemens.com/cax



last change: Mar 24, 2014